



# FEMA



Prepared by  
*Todd Beal*

# FEMA Region 6 Weather Threat Briefing

Friday, May 3, 2019

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## Today through Sunday

- Threat of severe storms continues across portions of TX, OK, AR, LA, and NM.
- Heavy rainfall and flooding threat parts of TX, OK, AR, and LA today. Isolated heavy rain and flooding over NE AR on Saturday.

## Monday and Tuesday

- Severe storms and flash flooding threat will return for portions TX, OK, AR, and LA next week.

## Major River Flooding or Known Evacuations

- Major flooding continues on the MS River at Baton Rouge, LA; impacts are primarily to navigation on the river.

# FEMA Region 6 Threat Matrix

May 3, 2019 – May 7, 2019



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DAY / THREAT	FRI	SAT	SUN	MON	TUE
Severe Storms	TX	NM, TX, OK, LA	NM, TX, OK	TX, OK	TX, AR, LA
Heavy Rain / Flash Flooding	TX, OK, LA, AR	AR		TX, OK	TX, AR, LA
Winter Weather					
Fire Weather					
River Flooding	LA/AR	LA/AR	LA/AR	LA/AR	LA/AR
	TX/OK	TX/OK	TX/OK	TX/OK	TX/OK

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

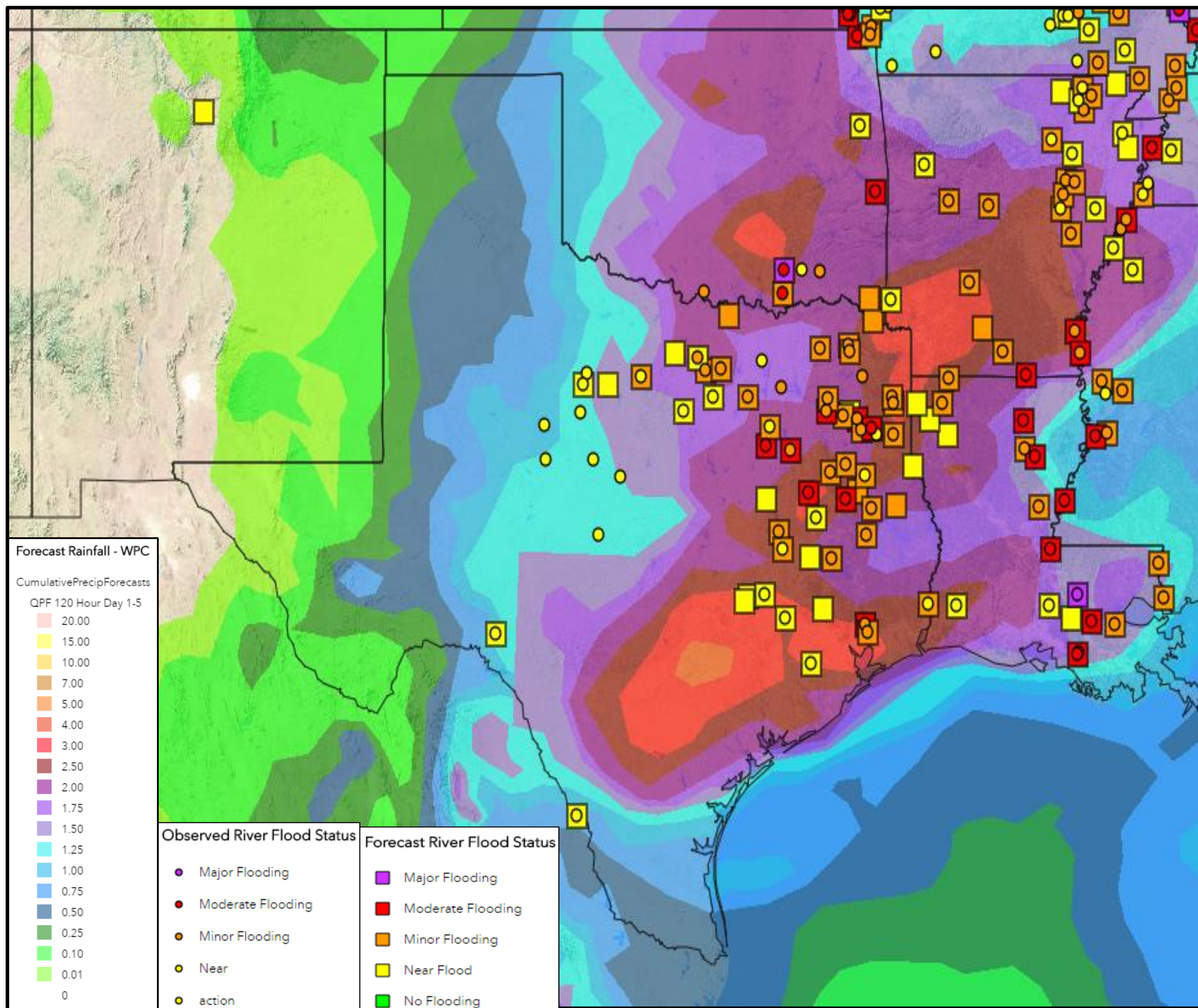
*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



- Points along the MS River in AR and LA remain at moderate flood stage, with the point near Baton Rouge, LA remaining in major flood stage.
- Impacts are primarily to secondary roads, agriculture, and navigation. The city of Baton Rouge is protected by levees.

- Minor to moderate river flooding is occurring across E TX, AR, OK, and LA.
- Major Flooding on the Clear Boggy Creek in OK
- No significant impacts are occurring or expected.

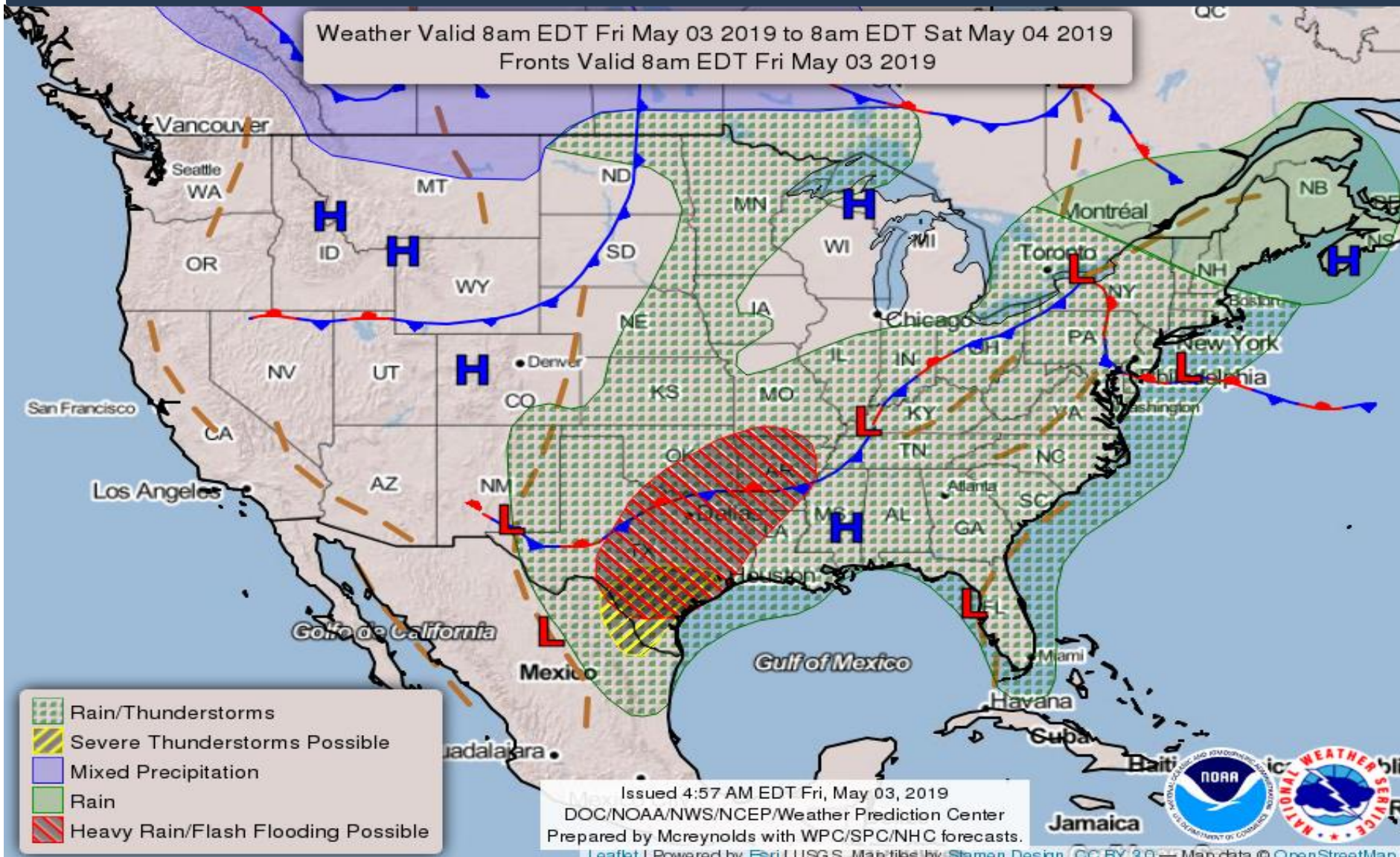
- Additional moderate to heavy rainfall is expected across portions TX, OK, LA, AR today.
- The rain will prolong ongoing flooding and lead to additional minor to isolated moderate flooding.

# Today's Weather

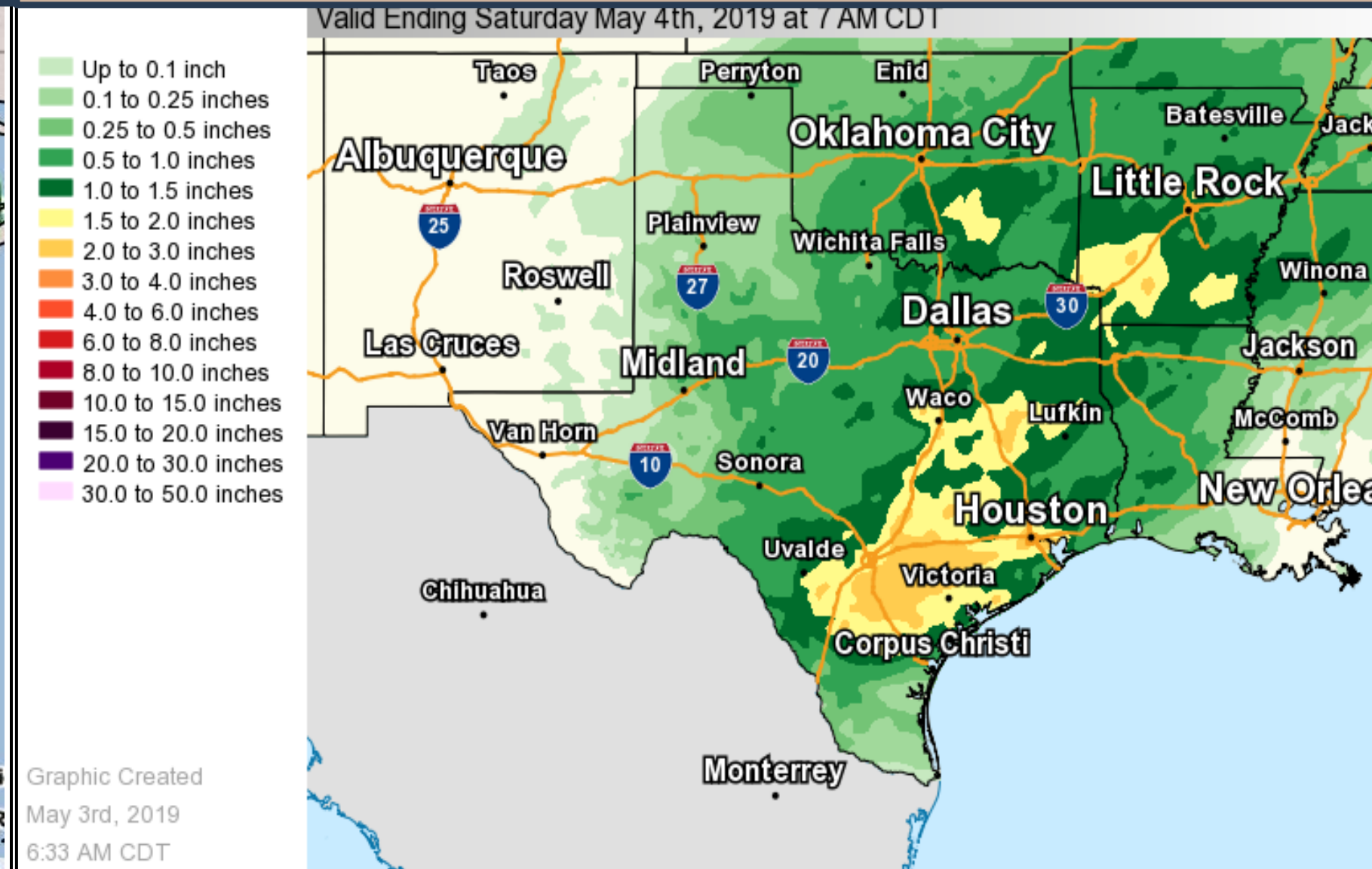


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## Forecast Chart



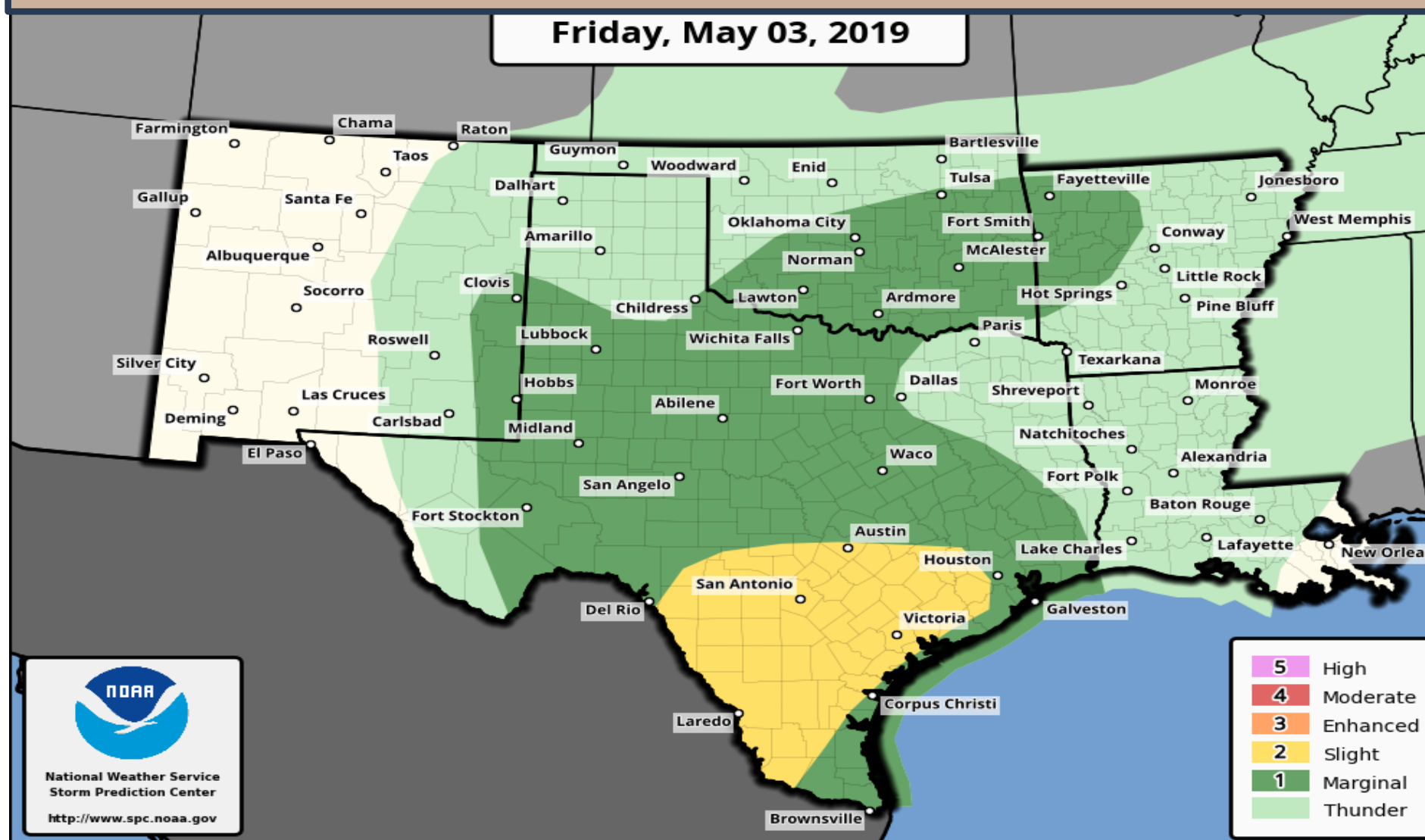
## Forecast Rainfall



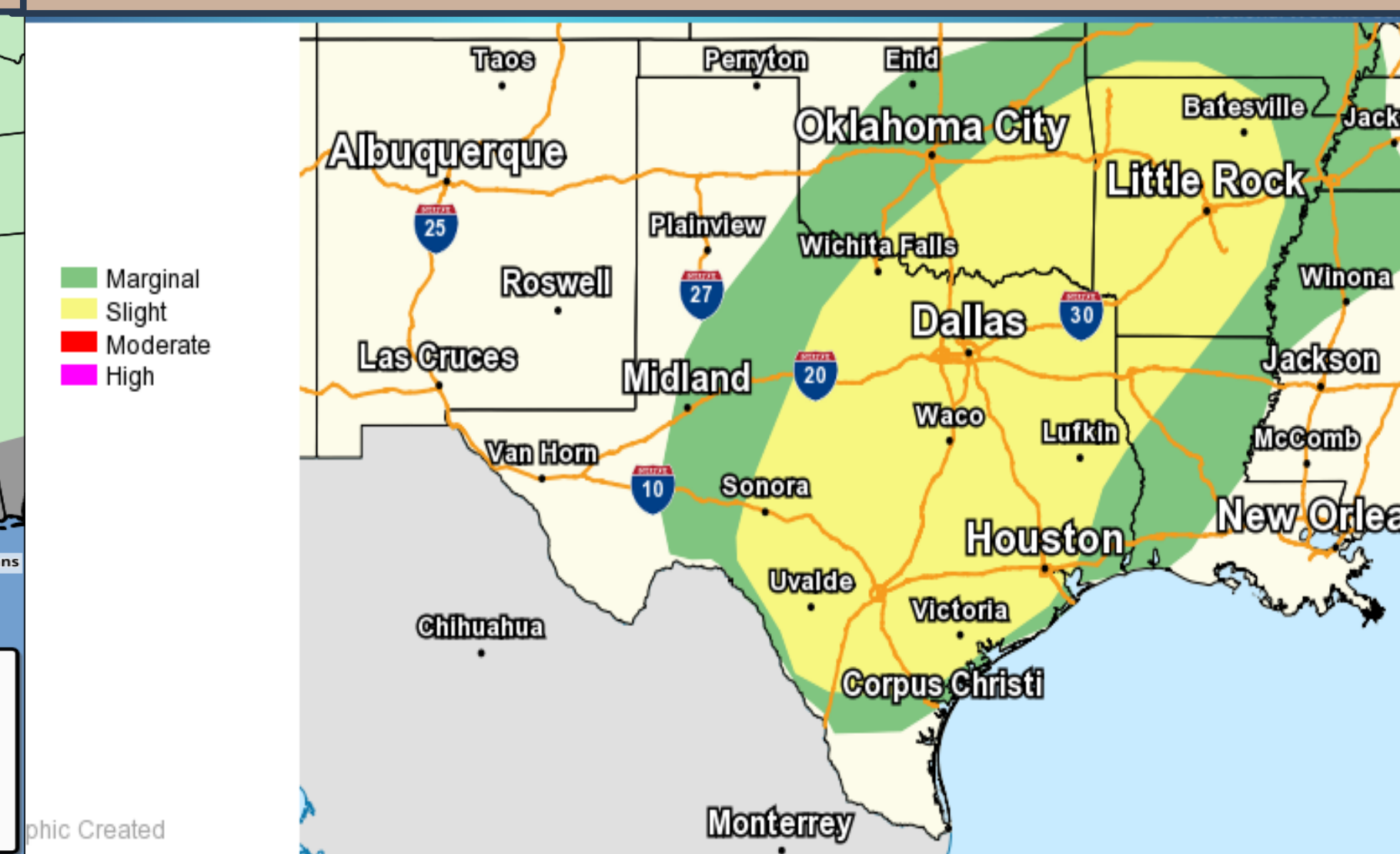
**Slight risk of severe storms over TX. Damaging winds/large hail are the primary hazards. Low tornado threat.**

**Slight risk of heavy rain and flash flooding across TX, OK, AR, and NW LA.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



# Watches, Warnings, and Advisories



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## Fire Weather



Graphic Created

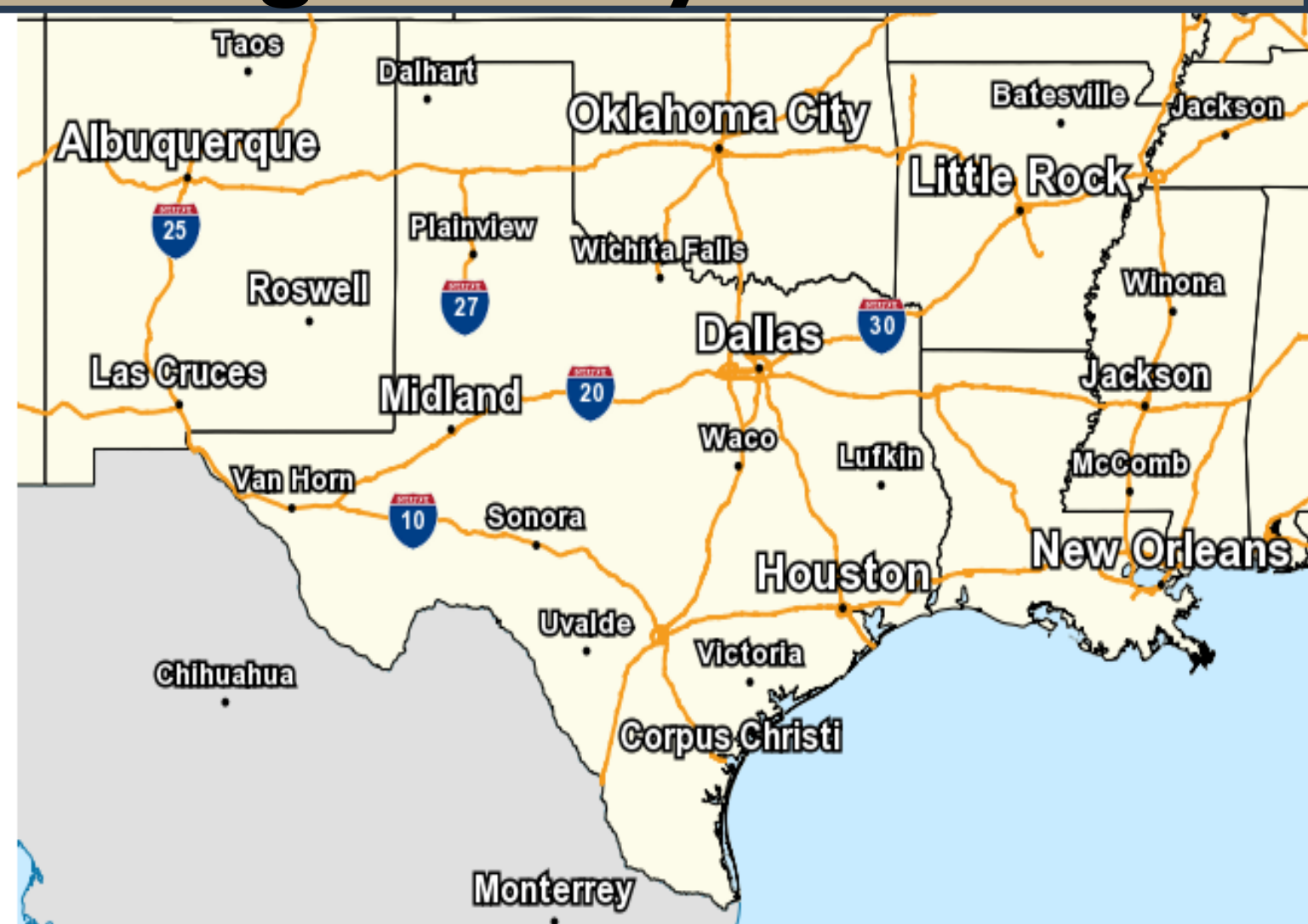
## Severe Weather & Flooding



Graphic Created

**Flash Flood Watches in effect  
across OK, W AR, and  
NTX.**

## Strong & Gusty Winds



Graphic Created

## Winter Weather



Graphic Created

# Tomorrow's Weather



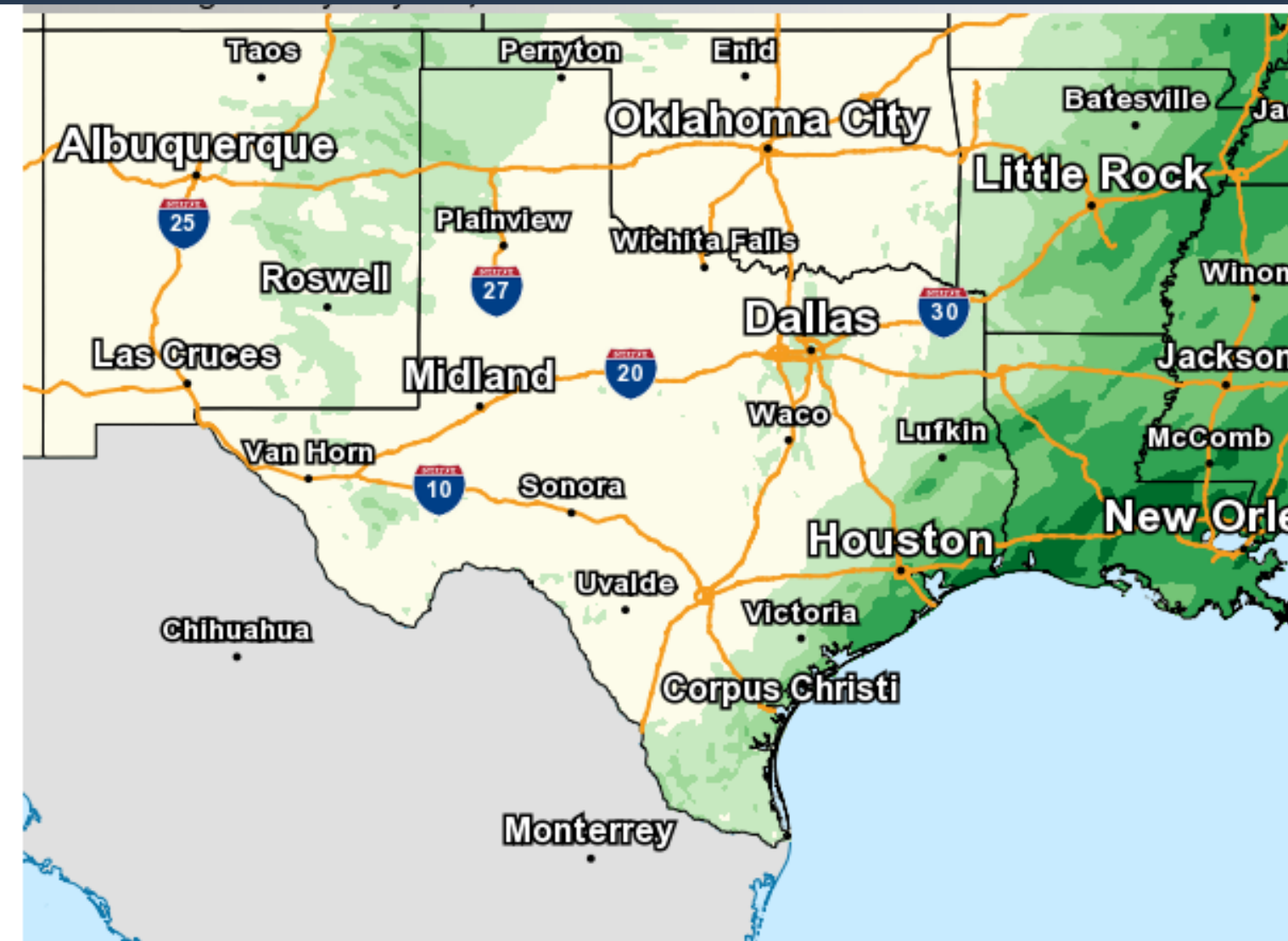
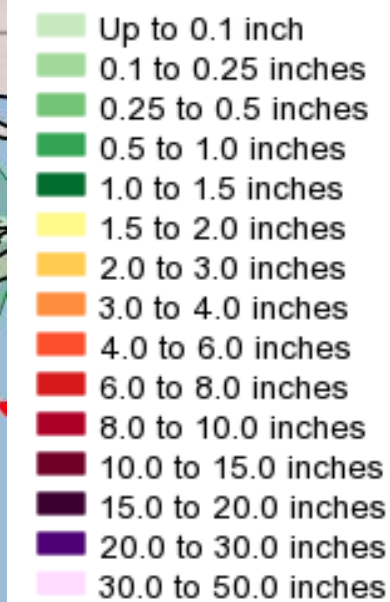
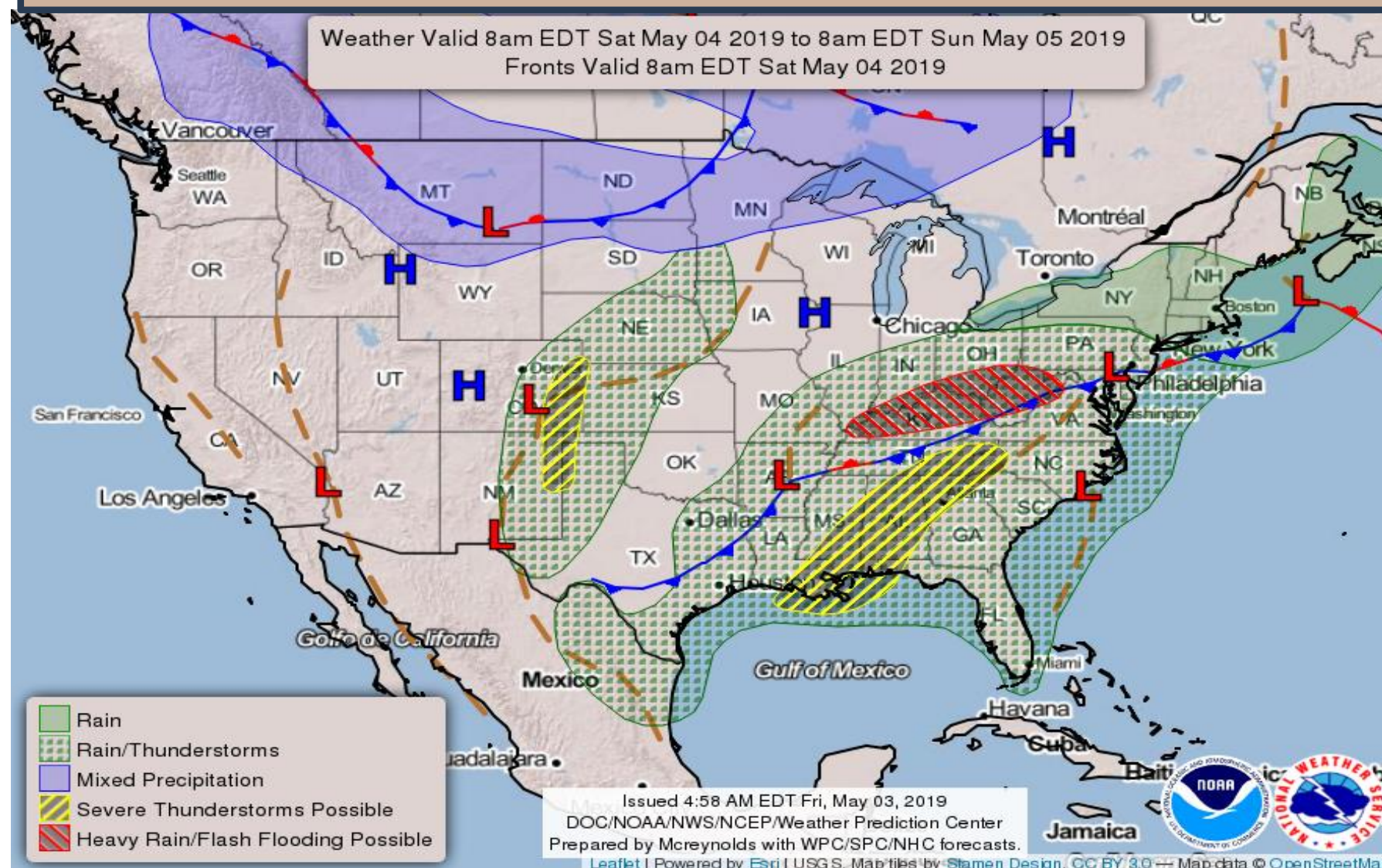
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## Forecast Chart

## Forecast Rainfall

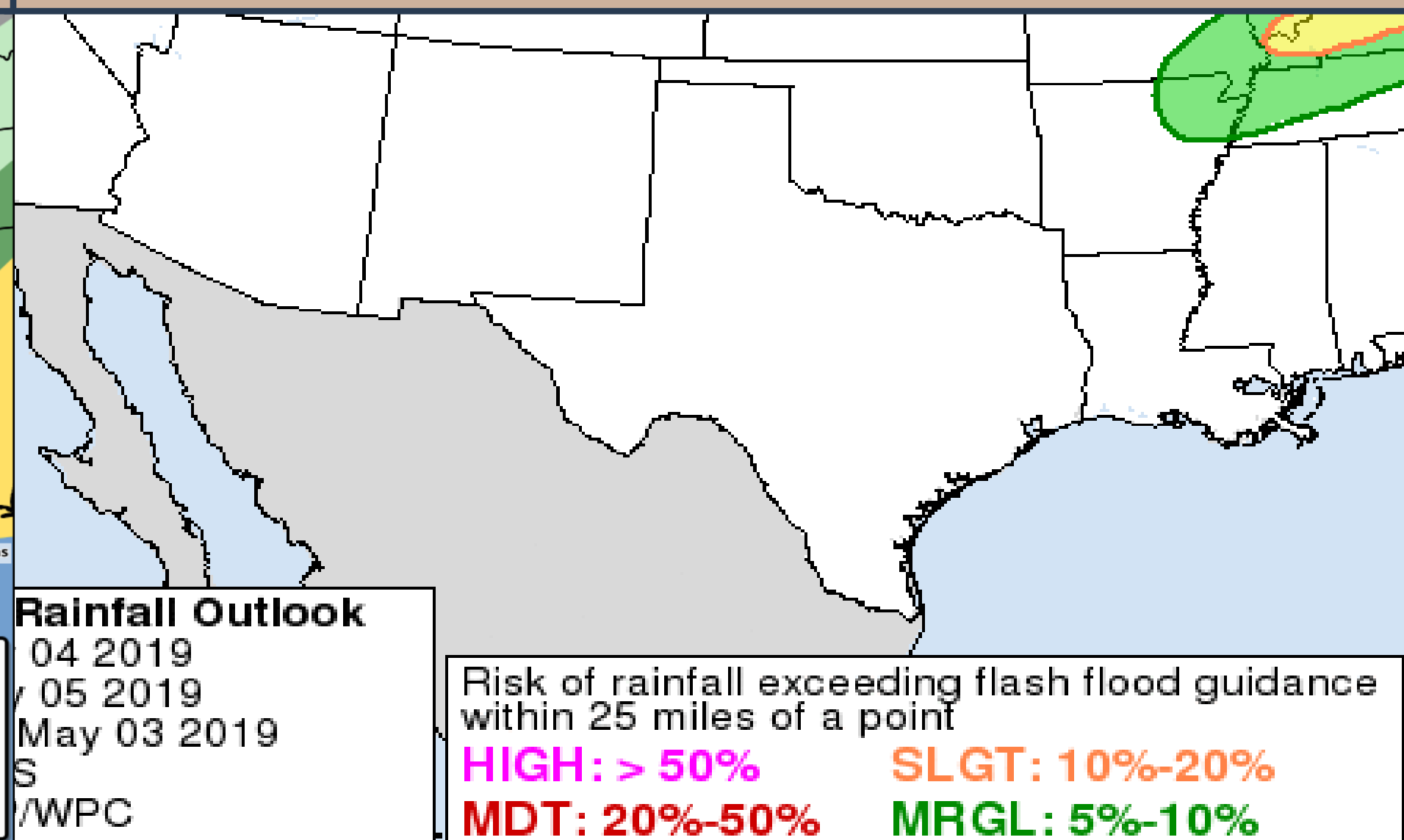
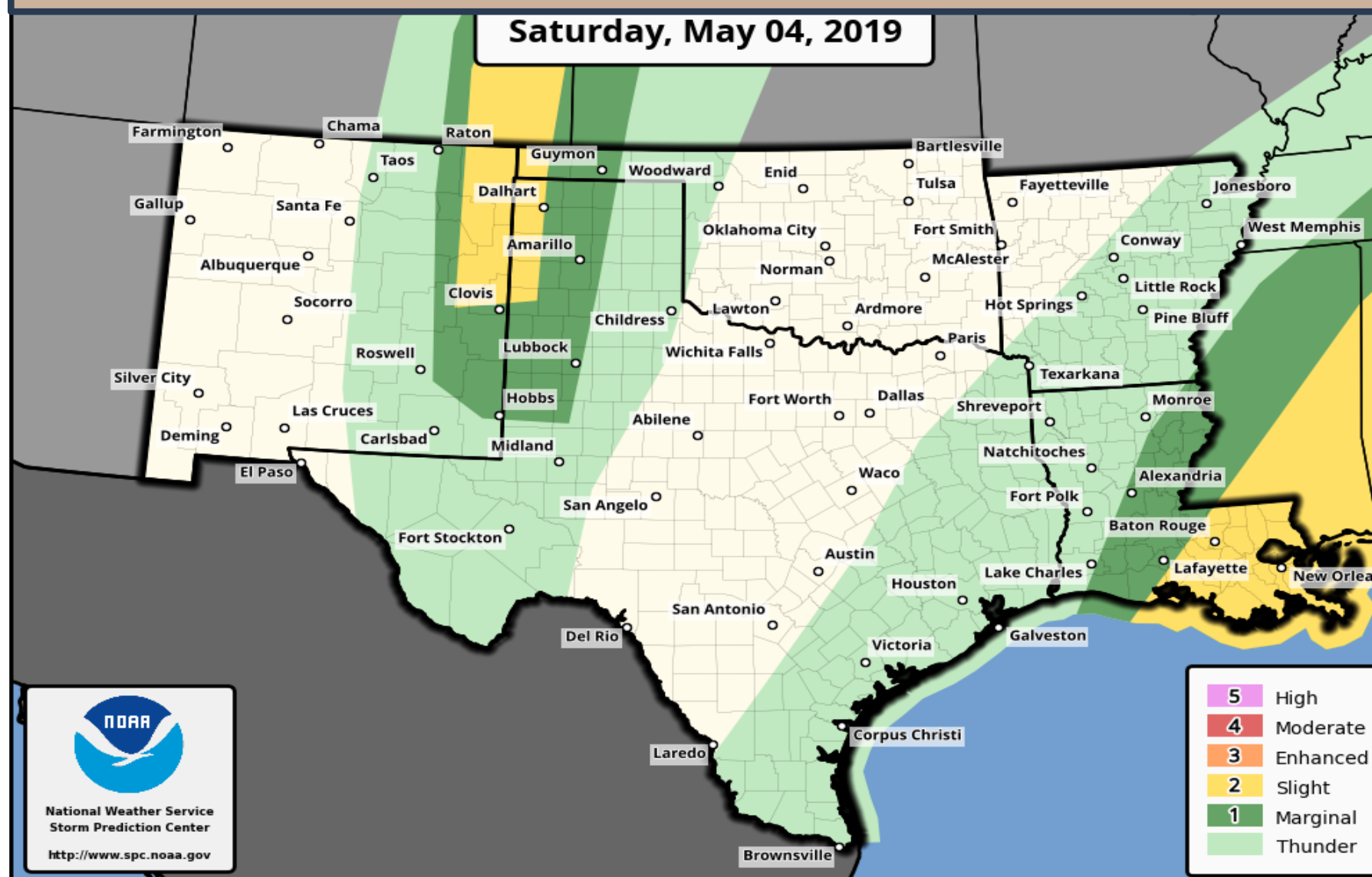
**Slight risk of severe storms over E NM, W TX and W OK Panhandles, and SE LA. Damaging winds and large hail are the primary hazards**

**Marginal risk of heavy rain and flooding over NE AR**



## Severe Weather Outlook

## Excessive Rainfall Outlook



# Sunday's Weather

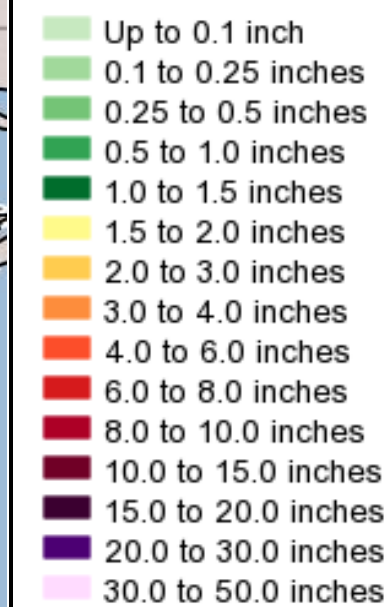
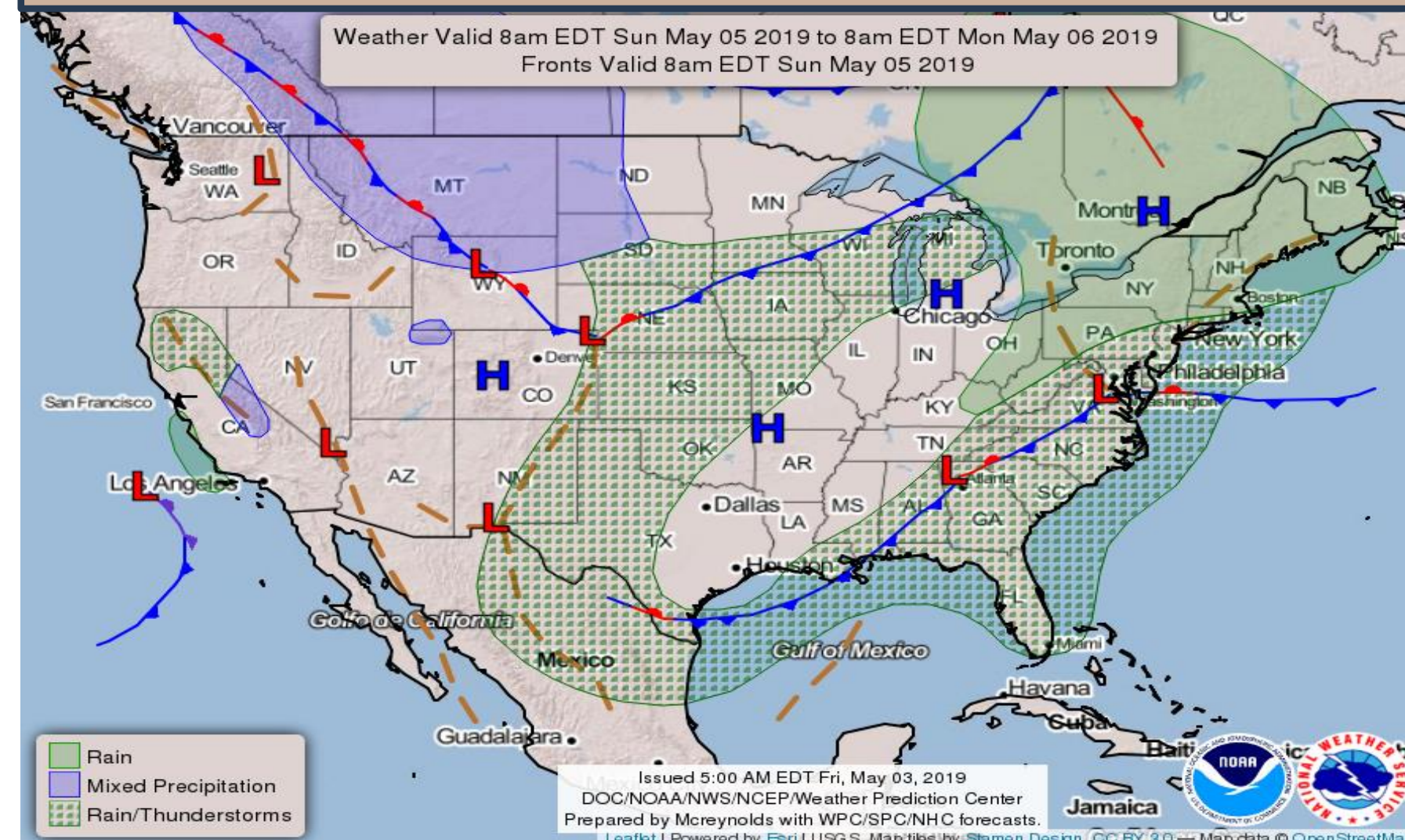


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## Forecast Chart

## Forecast Rainfall

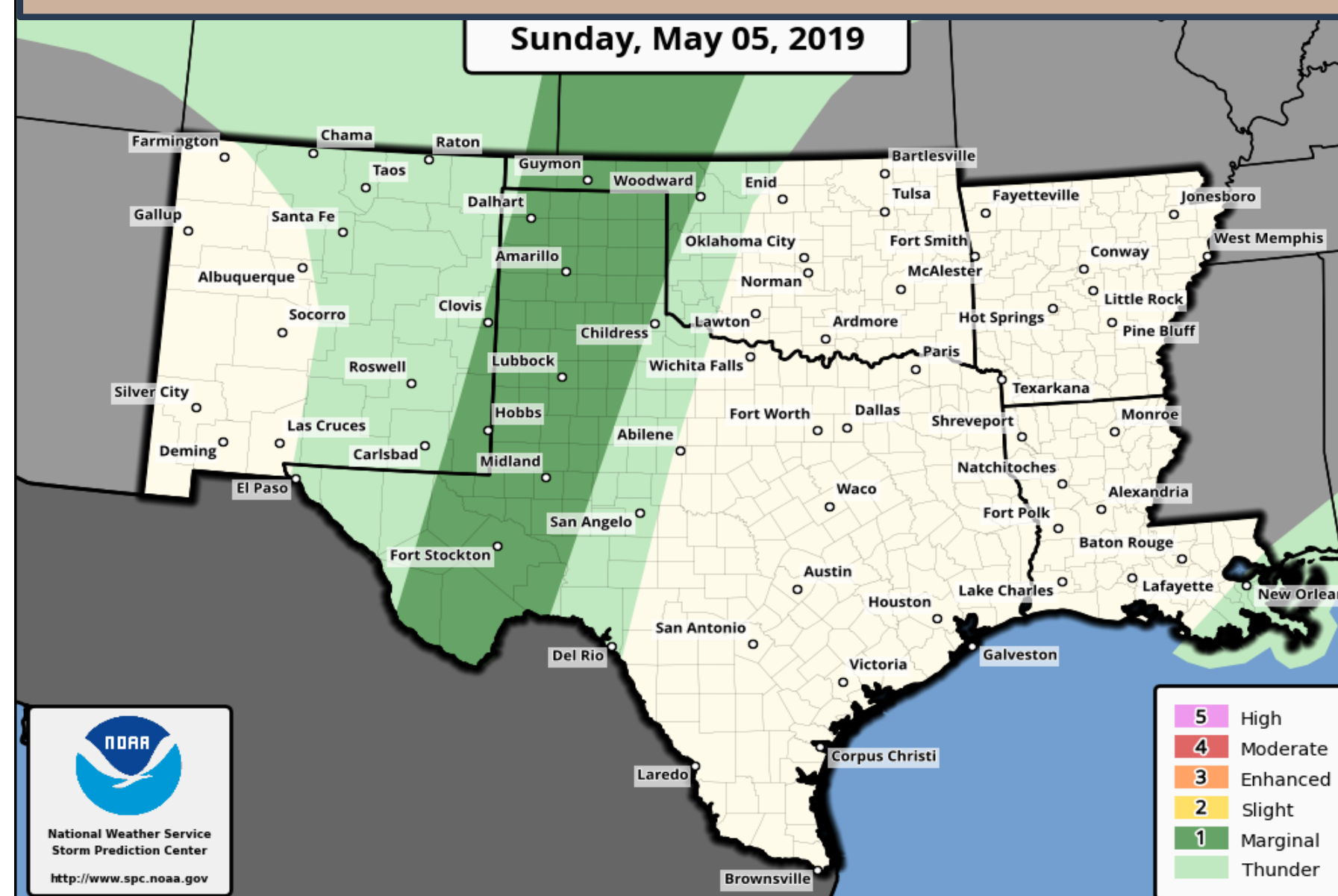
Marginal risk of strong to severe storms over E NM, W TX, and the TX and OK Panhandles



Graphic Created  
May 3rd, 2019

## Severe Weather Outlook

## Excessive Rainfall Outlook



Rainfall Outlook  
May 05 2019  
May 06 2019  
May 03 2019  
S  
P/WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point

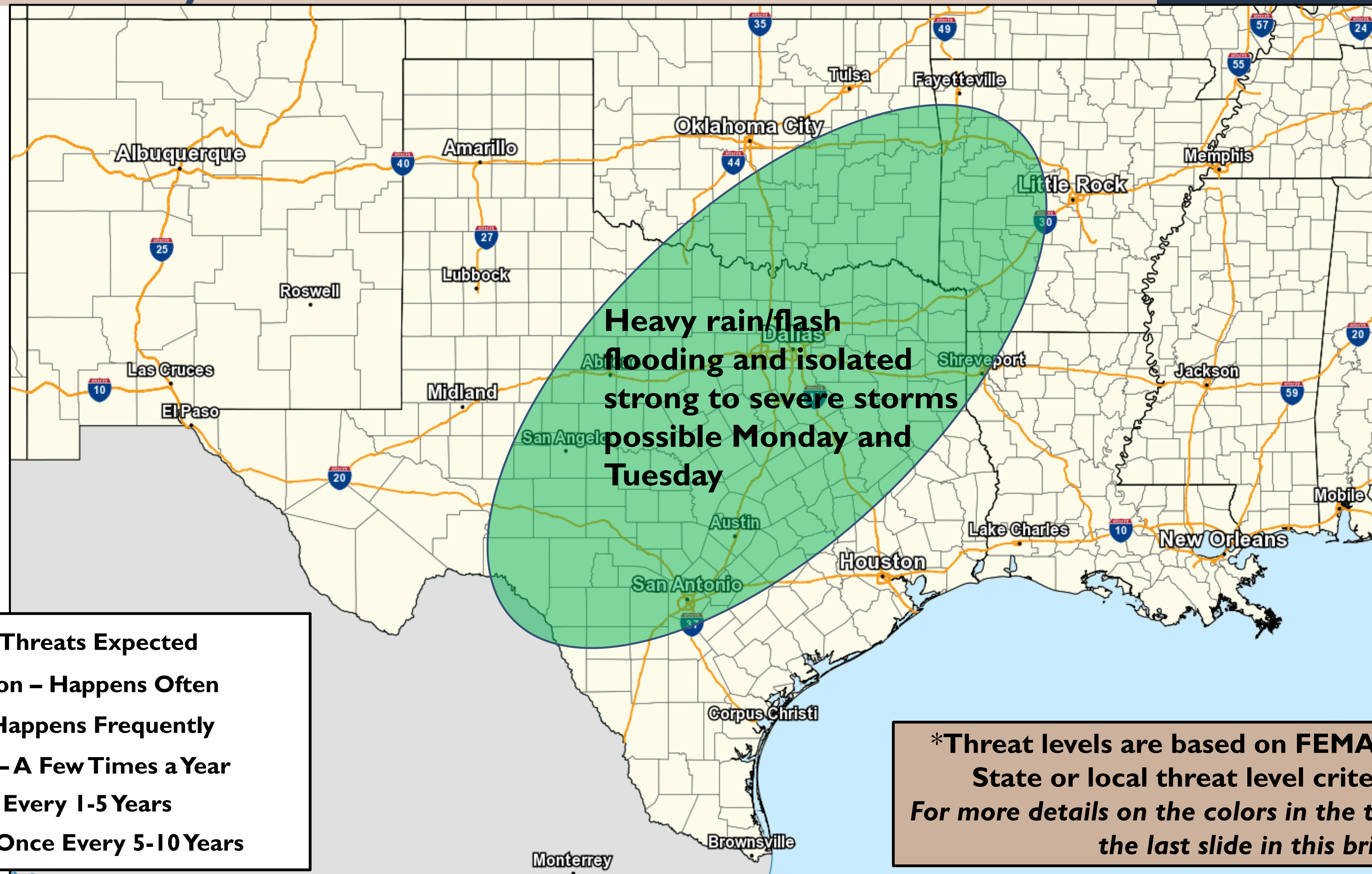
HIGH: > 50% SLGT: 10%-20%  
MDT: 20%-50% MRGL: 5%-10%

# Days 4-5 Weather Hazards

Monday - Tuesday



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	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
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**\*Threat levels are based on FEMA Region 6 criteria.  
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*For more details on the colors in the threat matrix refer to the last slide in this briefing.*

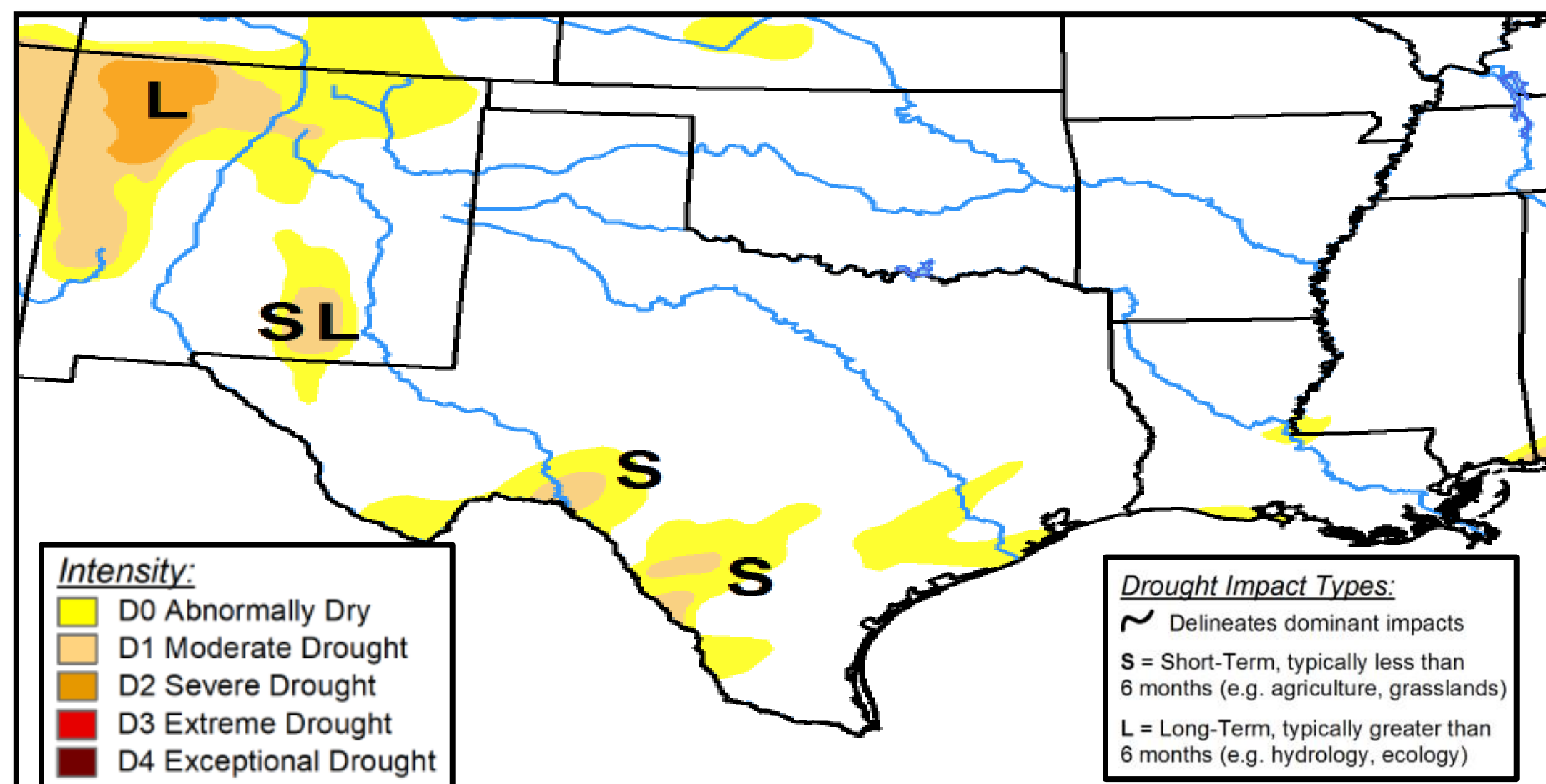
# Drought Monitor (Released May 2, 2019)



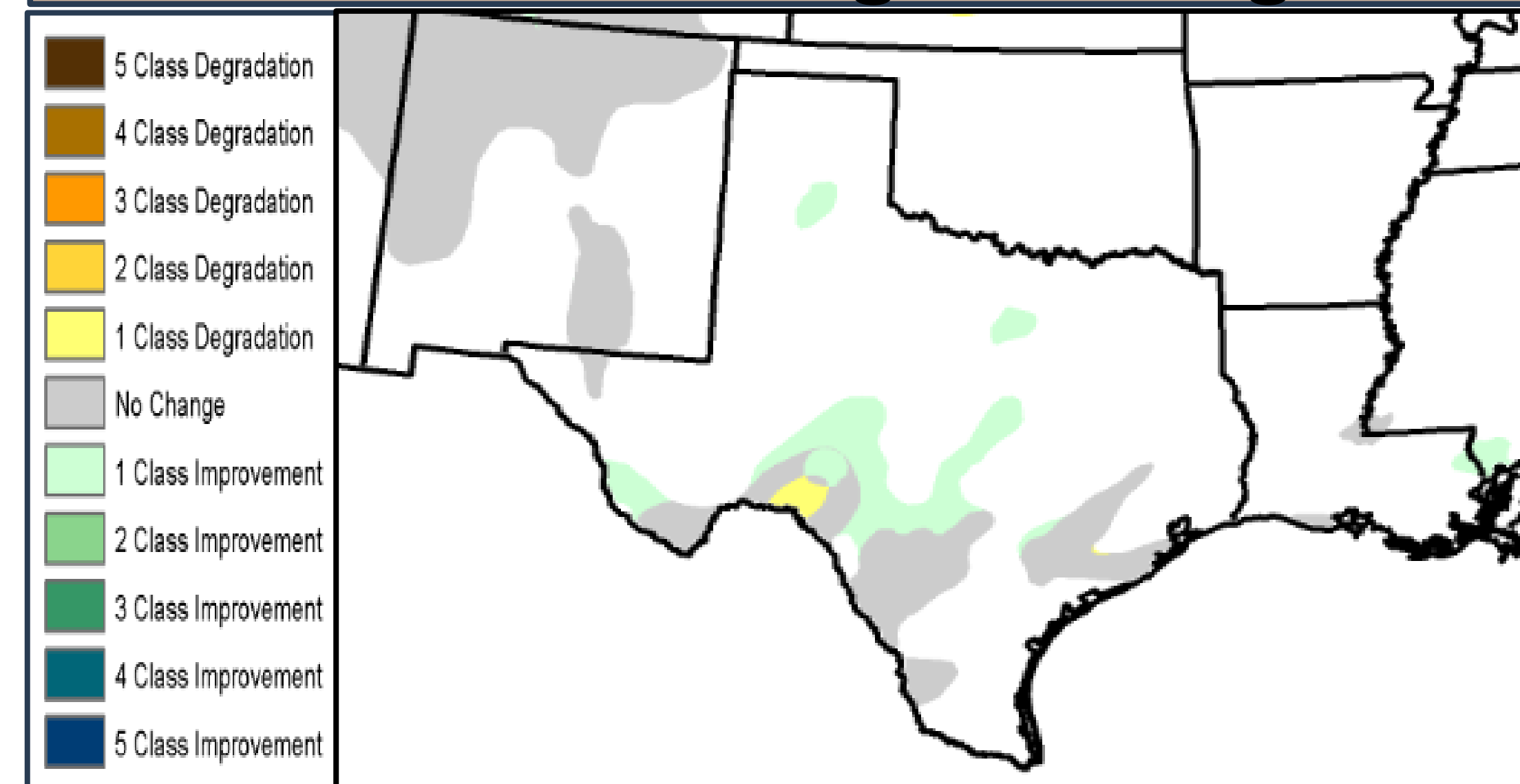
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Data valid as of 7am EST, Tuesday, April 30, 2019

## Drought Monitor



## One Week Change in Drought



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

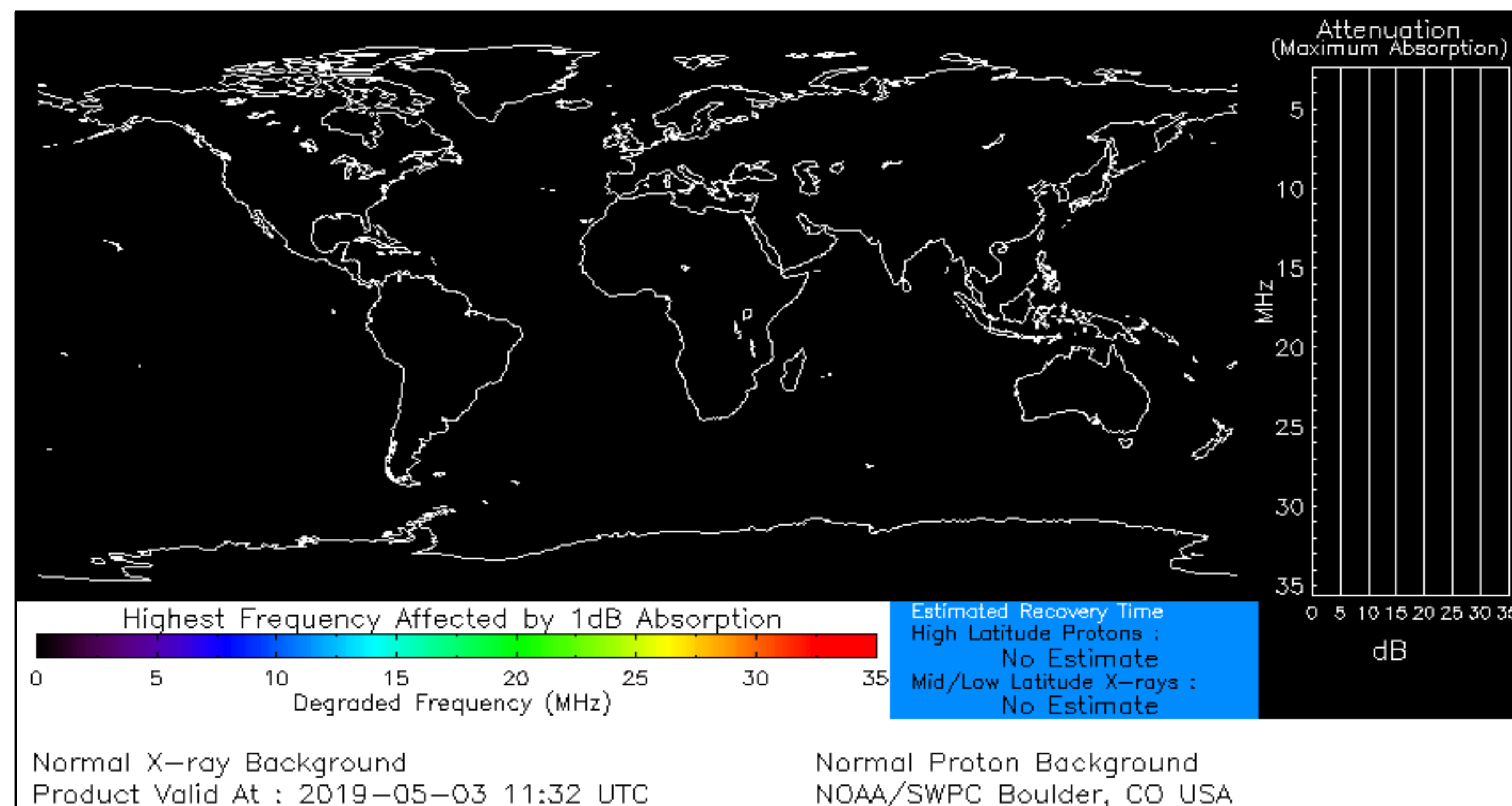
State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
New Mexico	0.00%	0.00%	15.03%	45.06%
Oklahoma	0.00%	0.00%	0.00%	34.84%
Texas	0.00%	0.00%	0.00%	13.94%

# Space Weather 3-Day Forecast



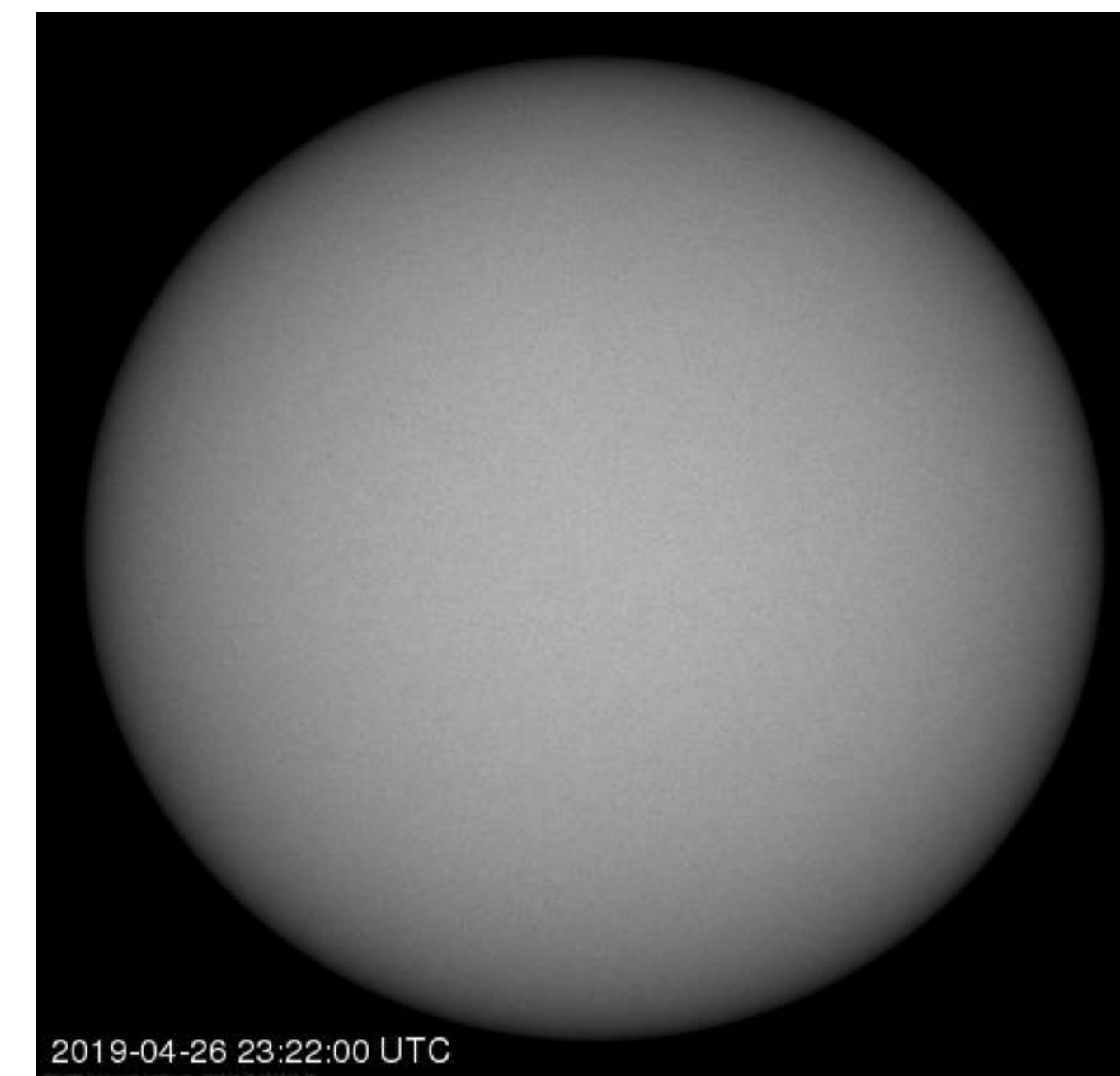
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	Friday	Saturday	Sunday
<b>Geomagnetic Storms</b>	<b>Quiet to Unsettled (Max Kp = 3)</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>	1%	1%	1%



[Click here for a  
Description of the Space  
Weather Storm Scales](#)

[Click here for the Latest  
3-Day Space Weather  
Forecast Text](#)





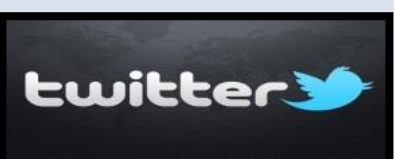
# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**